

ABSTRACT

5 The present invention discloses power supply cable for providing
DC power from a power supply to a microprocessor of a personal
computer. The output cable includes a plate-cable includes a first and a
second metal plates insulated with an insulation layer between the first
and second metal plates. The output cable further includes a plurality of
capacitors disposed on the plate cable. Each of the capacitors has a first
and second electrical terminals and each of the first and second electrical
10 terminals connected to one of the first and second metal layers provided
for storing electrical charges therein for transmitting through the metal
layers for supplying power to the microprocessor. In a preferred
embodiment, the plurality of capacitors disposed on the first metal plate
with the first electrical terminal for each of the capacitors connected to the
15 first metal plate. The plate-cable further includes a plurality of via-
connectors penetrating the insulation layer for connecting the second
electrical terminal for each of the capacitors to the second metal plate. In
another preferred embodiment, the plate-cable further includes multiple
insulated plate-segments each of the plate-segment is provided for
20 supplying power of a different voltage to the microprocessor. In another
preferred embodiment, the output cable further includes a microprocessor
connector socket soldering to an output end the plate-cable.

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